

Location	Magnetic Field Strength (mG) – Summer Peak Loading	
	2004	2006
R/W south of the Substation to South Danvers:		
@ north edge of r/w	13.4	21.4
@ south edge of r/w	67.84	68.19
R/W west of the Substation to Tewksbury:		
@ northeast edge of r/w	177.71	172.45
@ southwest edge of r/w	35.79	32.03

The electric field strengths at the same locations are expected to remain unchanged since the transmission lines will not be modified.

Q. Are you familiar with the details of the proposed transmission line relocations which will be necessary as a result of the proposed substation expansion in connection with which we are here today?

A. Yes, I am.

Q. Will you describe for the record, the scope of the proposed transmission line relocations?

A. At present, the 345kV line, designated as the 394 Line, loops through the substation on the northwest side where it is tapped to supply the 115 kV switchyard as shown in Exhibit KMH-1. When the proposed substation expansion is complete, 394N line will enter on the southwest side using a new structure, and the 394S line will exist on the northwest side on the existing a new terminal structure as shown in Exhibit KMH-4.

The three 115kV lines, designated B154N, C155N and G133E, presently terminate at the substation as shown in Exhibit KMH-1. After expansion,